

Ejercicio 7 seccion 2.1 Grossman 2Ed.

BY DANIECHAVEZ

calcule el detemrinante de:

$$A = \begin{pmatrix} 2 & 0 & 3 & 1 \\ 0 & 1 & 4 & 2 \\ 0 & 0 & 1 & 5 \\ 1 & 2 & 3 & 0 \end{pmatrix}$$

Dan:

- La matriz A .

Piden:

- calcular su determinante.

```
-----
| Sage Version 3.4, Release Date: 2009-03-11                |
| Type notebook() for the GUI, and license() for information. |
-----
Sage Version 3.4, Release Date: 2009-03-11
sage] A=matrix(QQ,[[2,0,3,1],[0,1,4,2],[0,0,1,5],[1,2,3,0]])
sage] A
      ( 2  0  3  1 )
      ( 0  1  4  2 )
      ( 0  0  1  5 )
      ( 1  2  3  0 )
sage] A.determinant()
      56
sage]
el detemrinante de la matriz es 56.
```